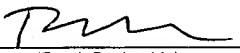


OIPE IAP80  
SEP 25 2006  
PATENTS & TRADEMARK OFFICE

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 22, 2006 Signature:   
(Farah Bushashia)

Docket No.: 0103544.00131US2  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harold E. Helson Confirmation No.: 4787  
Application No.: 09/502,133 Art Unit: 2128  
Filed: February 11, 2000 Examiner: H. M. Jones  
Title: ENHANCING STRUCTURE DIAGRAM GENERATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

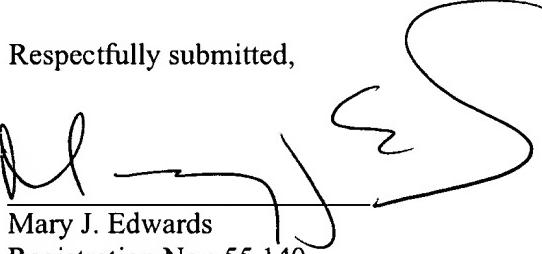
**INFORMATION DISCLOSURE STATEMENT (IDS)**

Dear Sir:

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Respectfully submitted,

Dated: September 22, 2006

  
Mary J. Edwards  
Registration No.: 55,140  
Attorney for Applicant(s)

Wilmer Cutler Pickering Hale and Dorr LLP  
60 State Street  
Boston, Massachusetts 02109  
(617) 526-6000 (telephone)  
(617) 526-5000 (facsimile)



PTO/SB/08a/b (07-06)

Approved for use through 09/30/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	09/502,133-Conf. #4787
				Filing Date	February 11, 2000
				First Named Inventor	Harold E. Helson
				Art Unit	2128
				Examiner Name	H. M. Jones
Sheet	1	of	3	Attorney Docket Number	0103544.00131US2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA*	US-4,747,059		05-24-1988	Hirayama et al.	
AB*	US-4,473,890		09-25-1984	Araki et al.	
AC*	US-5,418,944		05-23-1995	DiPace et al.	
AD*	US-5,486,995		01-23-1996	Krist et al.	
AE*	US-5,577,239		11-19-1996	Moore et al.	
AF*	US-5,740,425		04-14-1998	Povilus	
AG*	US-5,778,377		07-07-1998	Marlin et al.	
AH*	US-5,841,678		11-24-1998	Hasenberg et al.	
AI*	US-5,851,272		12-22-1998	Vicenzi	
AJ*	US-5,874,564		02-23-1999	Ecker et al.	
AK*	US-5,950,192		09-07-1999	Moore et al.	
AL*	US-5,978,848		11-02-1999	Maddalozzo, Jr. et al.	
AM*	US-5,978,804		11-02-1999	Dietzman	
AN*	US-6,007,691		12-28-1999	Klock, Jr.	
AO*	US-6,023,659		02-08-2000	Seilhamer et al.	
AP*	US-6,023,683		02-08-2000	Johnson et al.	
AQ*	US-6,038,562		03-14-2000	Anjur et al.	
AR*	US-6,055,516		01-07-2003	Johnson et al.	
AS*	US-6,061,636		05-09-2000	Horlbeck	
AT*	US-6,128,619		10-03-2000	Fogarasi et al.	
AU*	US-6,189,013		02-13-2001	Maslyn et al.	
AV*	US-6,199,017		03-06-2001	Tomonaga et al.	
AW*	US-6,226,620		05-01-2001	Oon et al.	
AX*	US-6,236,989		05-22-2001	Mandyam et al.	
AY*	US-6,240,374		05-29-2001	Cramer et al.	
AZ*	US-6,246,410		06-12-2001	Bergeron et al.	
AA1*	US-6,256,647		07-03-2001	Toh et al.	
AB1*	US-6,272,472		08-07-2001	Danneels et al.	
AC1*	US-6,295,514		09-25-2001	Agrafiotis et al.	
AD1*	US-6,323,852		11-27-2001	Blower, Jr. et al.	
AE1*	US-6,324,522		11-27-2001	Peterson et al.	
AF1*	US-6,326,962		12-04-2001	Szabo	
AG1*	US-6,341,314		01-22-2002	Doganata et al.	
AH1*	US-6,453,064		09-17-2002	Aikawa et al.	
AI1*	US-6,505,172		01-07-2003	Johnson et al.	
AJ1*	US-6,571,245		05-27-2003	Huang et al.	
AK1*	US-6,584,412		06-24-2003	Brecher	
AL1*	US-6,618,852		09-09-2003	van Eikeren et al.	
AM1*	US-6,631,381		10-07-2003	Couch et al.	
AN1*	US-6,675,105		01-06-2004	Hogarth et al.	
AO1*	US-6,721,754		04-13-2004	Hurst et al.	
AP1*	US-6,751,615		06-15-2004	Nisler et al.	
AQ1	US-US 2002/0049548		04-25-2002	Bunin	
AR1	US-US 2002/0165853		11-07-2002	Gogalak	

Examiner Signature	Date Considered
--------------------	-----------------

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	09/502,133-Conf. #4787
				Filing Date	February 11, 2000
				First Named Inventor	Harold E. Helson
				Art Unit	2128
				Examiner Name	H. M. Jones
Sheet	2	of	3	Attorney Docket Number	0103544.00131US2

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BA	WO-99/58474	11-18-1999	ISIS Pharmaceuticals	T <sup>6</sup>

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	CA	Anonymous, "Databases Added to ChemWeb", <i>Information Today</i> , 2 pages, May, 1998			
	CB	BARNARD, J.M., "Substructure Searching Methods: Old and New", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 33, pp. 532-538, 1993			
	CC	BRECHER, "The ChemFinder WebServer: Indexing Chemical Data on the Internet", <i>CHIMIA</i> , Vol. 52, pp. 658-661, 1998			
	CD	Business Editors/Health & Medical Writers, "Janssen Selects MDL's ISIS, Relational Chemical Gateway as Informatics Foundation for High Throughout Discovery", 3 pages, 2 December 1998			
	CE	CASH, "A Simple Means of Computing the Kekule Structure Count for Toroidal Polyhex Fullerenes", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 38, No. 1, pp. 58-61, 1998			
	CF	Cambridge Scientific Computing, Inc., "Chem3D the Molecular Modeling System", pp. 1-337, 1990			
	CG	ChemDraw: Chemical Structure Drawing Standard (Publ. CambridgeSoft Corp.), pp. 68-69			
	CH	Cheminovation Software, "Chemistry 4-D Draw", <i>User's Guide</i> , pp. 1-61, 1997			
	CI	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature. 1. Introduction and Background to a Grammar-Based Approach", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 101-105, 1989			
	CJ	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature.2.Development of a Formal Grammar", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 106-112, 1989			
	CK	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature.3.Syntax Analysis and Semantic Processing", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 29, pp. 112-118, 1989			
	CL	COOKE-FOX et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature.4.Concise Connection Tables to Structure Diagrams", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 30, pp. 122-127, 1990			
	CM	COOKE-FOX et al., "Computer Translation of IUPAC SYstematic Organic Chemical Nomenclature.5.Steroid Nomenclature", <i>J. Chem. Inf. Comput. Sc.</i> , Vol. 30, pp. 128-132, 1990			
	CN	COOKE-FOX et al., "From names to diagrams - by computer", <i>Chemistry in Britain</i> , pp. 467-471, 1985			
	CO	CRC Handbook of Chemistry and Physics, Student Edition, 76th Edition, Section 2, pp. 2-22 through 2-26, 1996-1996			
	CP	ERTL, P. et al., "WWW-Based Chemical Information System", <i>Journal of Molecular Structure</i>			

Examiner Signature		Date Considered
--------------------	--	-----------------

Substitute for form 1449A/B/PTO				<b>Complete If Known</b>	
				Application Number	09/502,133-Conf. #4787
				Filing Date	February 11, 2000
				First Named Inventor	Harold E. Helson
				Art Unit	2128
				Examiner Name	H. M. Jones
Sheet	3	of	3	Attorney Docket Number	0103544.00131US2

		(Theochem), Vol. 449, p. 113-129, 8 December 1997	
	CQ	GLENDENING et al., "Natural Resonance Theory: I. General Formalism", <i>Journal of Computational Chemistry</i> , Vol. 19, No. 6, pp. 593-609, 30 April 1998	
	CR	GRAOVAC et al., "Kekule Index for Valence Bond Structures of Conjugated Polycyclic Systems", <i>Journal of the American Chemical Society</i> , Vol. 95, No. 19, pp. 6267-6273, 1973	
	CS	IHLENFELDT, W.W. et al., "Augmenting Connectivity Information by Compound Name Parsing: Automatic Assignment of Stereochemistry and Isotope Labeling", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 35, pp. 663-674, 1995	
	CT	IHLENFELDT, W.D. et al., "Beyond the Hyperative Molecule: Search, Salvage and Visualization of Chemical Information from the Internet", <i>Pacific Symposium on Biocomputing '96</i> , Vol. SYMP.1, pp. 384-398, 3 January 1996	
	CU	Information Today, "ISI develops electronic Index Chemicus", Medford, Vol. 10, Iss. 5, p. 64, May 1993	
	CV	KIRBY et al., "Computer Translation of IUPAC Systematic Organic Chemical Nomenclature. 6. (Semi) Automatic Name Correction", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 31, pp. 153-160, 1991	
	CW	MORIKAWA, "Enumeration of Kekule Structures in Polyradical Polyhexes", <i>Computers Chem.</i> , Vol. 20, No. 2, pp. 159-165, 1996	
	CX	MORRISON et al., "Structure and Properties", <i>Organic Chemistry, Third Edition</i> , pp. 4-8, Copyright 1973	
	CY	MORRISON et al., <i>Organic Chemistry, Third Edition</i> , p. 324, Copyright 1973	
	CZ	NOTESESS, G.R., "Offspring of PACS: Local databases on the net", <i>Database, Weston</i> , 4 pages, June 1993	
	CA1	PR Newswire: Judy Hunter, "CAS and Dialog agree to publish new standard", New York, Sec. 1, pg. 1 (2 pages total), 29 September 1994	
	CB1	PR Newswire, New York, "Fisher Scientific Adopts Standards: New Electronic Commerce Web Site Among the First to Embrace Open Buying on the Internet Standards", 2 pages, 9 February 1998	
	CC1	RUIZ et al., "Error Detection, Recovery, and Repair in the Translation of Inorganic Nomenclatures. 1. A Study of the Problem", <i>J. Chem. Inf. Comput. Sci.</i> , Vol. 36, No. 1, pp. 16-24, 1996	
	CD1	STILLWELL, "Computer Translation of Systematic Chemical Nomenclature to Structural Formulas - Steroids", <i>Journal of Chemical Documentation</i> , Vol. 13, No. 3, pp. 107-109, 1973	
	CE1	VANDER STOUW et al., "Automated Conversion of Chemical Substances Names to Atom-Bond Connection Tables", <i>Journal of Chemical Documentation</i> , Vol. 14, No. 4, pp. 185-193, 1974	
	CF1	VANDER STOUW et al., "Procedures for Converting Systematic Names of Organic Compounds into Atom-Bond Connection Tables", <i>Journal of Chemical Documentation</i> , Vol. 7, No. 3, pp. 165-169, 1967	
	CG1	WILDER, "Net Catalog Sales", <i>Information Week; Manhassete</i> , 2 pages, 1 February 1999	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--